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| Stage: | 10.6 Acceptance Stage |
| Responsibility: | System Owner/User or other designated individuals |
| Description: | Acceptance tests are conducted on a fully integrated system. Acceptance tests are performed by either the system owner, the user of the modification package, or a third party designated by the system owner. An acceptance test is conducted on the modified system, with software that is under software configuration management in accordance with the application's Software Configuration Management Plan. <i>Exhibit 10.6-1</i> (provided at the end of this section) summarizes the input, process, control, and output for the Acceptance Stage. |
| Input: | <p>Input for the Acceptance Stage of software maintenance includes the following:</p> <ul style="list-style-type: none">• Test Readiness Review report• Fully integrated system• Acceptance Test Plan• Acceptance test cases• Acceptance test procedures |
| Process: | <p>The following steps form the process for acceptance testing:</p> <ul style="list-style-type: none">• Perform acceptance tests at the functional level• Perform interoperability testing (to validate the functionality of any input and output interfaces)• Perform regression testing• Conduct a Functional Configuration Audit (FCA) <p>The purpose of a FCA is to verify that all requirements specified and agreed to have been met. The FCA compares the system's software elements (programs/modules) to the software requirements documented in the current version of the Software Requirements Specification to assure that the modification addresses all, and only, those requirements. The results of the FCA should be documented, identifying all discrepancies found, and the plans for their resolution.</p> |

Control: Control of acceptance tests includes the following:

- Execute acceptance tests
- Report results for the Functional Configuration Audit conducted to ensure that all of the functionality that has been agreed to is in fact present in the system
- Establish the new system baseline
- Place the acceptance test documentation under software configuration management control

Work Products: The output of the Acceptance Stage includes the following:

- New system baseline
- Functional Configuration Audit Report
- Acceptance Test Report
- Updated Project Plan

Review Processes: Conduct structured walkthrough(s), In-Stage Assessment(s), and a Stage Exit.

Exhibit 10.6-1. Acceptance Stage

